

**Flood Control Project Maintenance
Levee Inspections**

Fall 2013 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including USACE Erosion Survey

Sacramento River Basin

NA0022 Yolo County Service Area 6	Overall LMA Rating	Total LMA Miles						
	U	5.97						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Vegetation	10.88	0.34	12.24	205.03%		0.14		
Trim / Thin Trees	0.04		0.04	0.67%				
Encroachments	0.28		0.28	4.69%	0.20			
Animal Control	0.06		0.06	1.01%				
Erosion / Bank Caving	0.01		0.01	0.17%				
Emergency Supplies & Equipment	0.06		0.06	1.01%				
<i>Supplemental</i>								
USACE Erosion Survey	0.39		0.39	6.53%				
LMA Totals:	11.72	0.34	13.08	219.10%	0.20	0.14	0.00	0.00

**Flood Control Project Maintenance
Levee Inspections**

LMA District Cover Sheet

Fall 2013 Levee Inspection Results

Yolo County Service Area 6

	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)
* Overall LMA Rating (Fall Only)			U	

** Non-receipt of Summer or Winter Inspection Reports may effect overall annual rating.

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SPRING INSPECTIONS: Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.

FALL INSPECTIONS: The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports. This rating is not intended to be an induction of risk.

Comments

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2013 Levee Inspection Results

Yolo County Service Area 6

Waterway			Bank	Unit Miles
Unit No. 01 Right Bank of Sacramento River at Knights Landing			Right	5.97
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			U	
Date of Inspection	-		10/22/2013 - 10/22/2013	
DWR Inspector	John Williamson		John Williamson	
Accompanied By	Regina Espinosa Yolo County		Regina Espinosa Yolo County	
	Chris Starke Yolo County		Chris Starke Yolo County	

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2013

Yolo County Service Area 6

Waterway							Bank	Unit Miles	Inspection Start/End	Inspector
LMR No.	Levee Mile		Category	Item	* Location Start	* Rating +	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Levee Mile	Category						Start	End	
1	Earthen Levee	Operations & Maintenance Manuals	WS	A Ma				°	°	33
										DWR ID: DWR_NA0022_01_s_2013_33
2	Earthen Levee	Flood Preparedness & Training	WS	A Ma				°	°	34
										DWR ID: DWR_NA0022_01_s_2013_34
3	Earthen Levee	Emergency Supplies & Equipment	WS	M Ma				°	°	38
										DWR ID: DWR_NA0022_01_s_2012_38
4	0.00 0.20	Earthen Levee	Vegetation	WS M Ma	V1 : Control annual grass and weeds on the levee slopes and easements.		38.799184 ° 38.801220 ° 31 -121.724417 ° -121.722229 ° Y			
										DWR ID: DWR_NA0022_01_s_2012_31
5	0.00 0.20	Earthen Levee	Vegetation	LS A Ma	V1 : Control annual grass and weeds on the levee slopes and easements.		38.799185 ° 38.801222 ° 32 -121.724417 ° -121.722229 ° Y			
										DWR ID: DWR_NA0022_01_s_2012_32
6	0.03 0.20	Earthen Levee	Vegetation	WS U Ma	V2 : Remove the wild growth other than native grasses from the levee slopes.		38.799606 ° 38.801368 ° 6 -121.724048 ° -121.722054 ° Y			
										DWR ID: DWR_NA0022_01_s_2012_6
7	0.15 0.15	Earthen Levee	Encroachments	WS M En	BU : Building		38.800828 ° 38.800828 ° 29 -121.722902 ° -121.722902 ° Y			
										DWR ID: DWR_NA0022_01_s_2012_29
8	0.18 0.18	Earthen Levee	Encroachments	LS C En	PR : Prunings		38.801103 ° 38.801103 ° 17 -121.722293 ° -121.722293 °			
										DWR ID: DWR_NA0022_01_s_2012_17
9	0.22 0.26	Earthen Levee	Encroachments	LS M En	BU : Building Inspector Comments: RV park runs on and along levee to bridge		38.801500 ° 38.801613 ° 28 -121.721878 ° -121.721328 ° Y			
										DWR ID: DWR_NA0022_01_s_2012_28
10	0.31 0.33	Earthen Levee	Vegetation	LS A/W En	V6 : Landscaping Inspector Comments: I have talked to the owner about a permit and he continues to landscape the landside slope with no permit. Owner has added fence across levee. I gave her an application and did a field investigation report.		38.801720 ° 38.801840 ° 27 -121.720447 ° -121.720030 ° Y			
										DWR ID: DWR_NA0022_01_s_2012_27
11	0.35 0.39	Earthen Levee	Encroachments	LS A/W En	BU : Building Inspector Comments: Apartments with chainlink fence with lathe woven into it.		38.801967 ° 38.802105 ° 26 -121.719727 ° -121.718963 ° Y			
										DWR ID: DWR_NA0022_01_s_2012_26
12	0.35 0.50	Earthen Levee	Vegetation	WS M Ma	V1 : Control annual grass and weeds on the levee slopes and easements.		38.801913 ° 38.802150 ° 91 -121.719610 ° -121.716863 ° Y			
										DWR ID: DWR_NA0022_01_f_2013_91
13	0.43 0.43	Earthen Levee	Encroachments	WS C En	PR : Prunings		38.802128 ° 38.802128 ° 18 -121.718308 ° -121.718308 °			
										DWR ID: DWR_NA0022_01_s_2012_18

* Location LS : Land Side WS : Water Side CR : Crown

** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain
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+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2013

Yolo County Service Area 6

Waterway								Bank	Unit Miles	Inspection Start/End	Inspector
LMR No	Levee Mile		Category	Item	* Location	** Rating	Action/Comment	GPS Latitude/Longitude		Issue No.	
	Start	End						Start	End		
14	0.50	0.55	Earthen Levee	Encroachments	WS En	M	MA : Material	38.802120 °	38.801882 °	395	
								-121.716867 °	-121.716165 °	Y	
								DWR ID: DWR_NA0022_01_f_2013_395			
15	0.51	0.57	Earthen Levee	Encroachments	LS En	A	BU : Building	38.802172 °	38.801958 °	25	
								-121.716705 °	-121.715758 °	Y	
								DWR ID: DWR_NA0022_01_s_2012_25			
16	0.55	0.57	Earthen Levee	Vegetation	WSA/W En	V6	: Landscaping	38.801910 °	38.801823 °	24	
								-121.716170 °	-121.715683 °	Y	
								DWR ID: DWR_NA0022_01_s_2012_24			
17	0.57	0.71	Earthen Levee	Vegetation	LS En	U	V6 : Landscaping	38.801968 °	38.801077 °	22	
							Inspector Comments: Oleander hedge	-121.715707 °	-121.713335 °	Y	
								DWR ID: DWR_NA0022_01_s_2012_22			
18	0.57	0.65	Earthen Levee	Encroachments	WSA/W En	BU	: Building	38.801965 °	38.801468 °	23	
							Inspector Comments: Yolo Sutter Yacht Club	-121.715705 °	-121.714348 °	Y	
								DWR ID: DWR_NA0022_01_s_2012_23			
19	0.66	0.66	Earthen Levee	Encroachments	WS En	M	PR : Prunings	38.801327 °	38.801327 °	396	
								-121.714157 °	-121.714157 °	Y	
								DWR ID: DWR_NA0022_01_f_2013_396			
20	0.72	5.90	Earthen Levee	Vegetation	WS Ma	M	V1 : Control annual grass and weeds on the levee slopes and easements.	38.801013 °	38.758663 °	398	
								-121.713230 °	-121.668860 °	Y	
								DWR ID: DWR_NA0022_01_f_2013_398			
21	0.72	5.90	Earthen Levee	Vegetation	LS Ma	M	V1 : Control annual grass and weeds on the levee slopes and easements.	38.801008 °	38.758655 °	397	
								-121.713230 °	-121.668857 °	Y	
								DWR ID: DWR_NA0022_01_f_2013_397			
22	0.72	0.72	Earthen Levee	Vegetation	LS Ma	M	V2 : Remove the wild growth other than native grasses from the levee slopes.	38.800962 °	38.800962 °	2	
								-121.713173 °	-121.713173 °	Y	
								DWR ID: DWR_NA0022_01_s_2012_2			
23	0.97	1.14	Earthen Levee	Vegetation	LS Ma	U	V2 : Remove the wild growth other than native grasses from the levee slopes.	38.800188 °	38.800577 °	21	
								-121.708918 °	-121.705830 °	Y	
								DWR ID: DWR_NA0022_01_s_2012_21			
24	1.03	1.03	Earthen Levee	Trim / Thin Trees	LS Ma	M	T2 : Thin trees to allow visibility of the ground and room to flood fight.	38.800249 °	38.800249 °	43	
								-121.707826 °	-121.707826 °	Y	
								DWR ID: DWR_NA0022_01_s_2013_43			
25	1.18	1.34	Earthen Levee	Vegetation	LS Ma	M	V2 : Remove the wild growth other than native grasses from the levee slopes.	38.800778 °	38.802058 °	20	
								-121.705135 °	-121.702633 °	Y	
								DWR ID: DWR_NA0022_01_s_2012_20			
26	1.83	1.83	Earthen Levee	Trim / Thin Trees	CR Ma	M	T4 : Trim trees over roadway to at least 12 feet above ground level.	38.797228 °	38.797228 °	9	
								-121.697577 °	-121.697577 °	Y	
								DWR ID: DWR_NA0022_01_f_2013_9			
27	1.98	1.98	Earthen Levee	Encroachments	WS En	M	TR : Tree or limb	38.795492 °	38.795492 °	44	
								-121.695963 °	-121.695963 °	Y	
								DWR ID: DWR_NA0022_01_s_2013_44			
28	2.03	2.03	Earthen Levee	Animal Control	LS Ma	M	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	38.794956 °	38.794956 °	7	
								-121.695826 °	-121.695826 °	Y	
								DWR ID: DWR_NA0022_01_f_2012_7			

* Location LS : Land Side WS : Water Side CR : Crown

** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable

+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2013

Yolo County Service Area 6

Waterway								Bank	Unit Miles	Inspection Start/End	Inspector
LMR No.	Levee Mile		Category	Item	* Location	* Rating	Action/Comment	GPS Latitude/Longitude		Issue No.	
	Start	End						Start	End		
29	2.07	2.07	Earthen Levee	Animal Control	CR M Ma	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	38.794391 ° -121.695684 °	38.794391 ° -121.695684 °	85 Y	DWR ID: DWR_NA0022_01_s_2012_85	
30	2.18	2.18	Earthen Levee	Animal Control	LS M Ma	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	38.792956 ° -121.696025 °	38.792956 ° -121.696025 °	8 Y	DWR ID: DWR_NA0022_01_s_2012_8	
31	2.22	2.22	Earthen Levee	Encroachments	LS M Ma	PI : Pipe	38.792499 ° -121.695508 °	38.792499 ° -121.695508 °	40 Y	DWR ID: DWR_NA0022_01_s_2012_40	
32	2.22	2.22	Earthen Levee	Animal Control	LS M Ma	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	38.792428 ° -121.695495 °	38.792428 ° -121.695495 °	35 Y	DWR ID: DWR_NA0022_01_s_2012_35	
33	2.24	2.24	Earthen Levee	Encroachments	LS M Ma	FW : Firewood	38.792283 ° -121.695447 °	38.792283 ° -121.695447 °	39 Y	DWR ID: DWR_NA0022_01_s_2012_39	
34	2.25	2.25	Earthen Levee	Animal Control	LS M Ma	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	38.792128 ° -121.695400 °	38.792128 ° -121.695400 °	41 Y	DWR ID: DWR_NA0022_01_s_2012_41	
35	2.39	2.39	Earthen Levee	Encroachments	LS M En	DE : Debris	38.790180 ° -121.694525 °	38.790180 ° -121.694525 °	45 Y	DWR ID: DWR_NA0022_01_s_2013_45	
36	2.62	2.62	Earthen Levee	Encroachments	LS A/W En	BU : Building	38.786964 ° -121.694239 °	38.786964 ° -121.694239 °	11 Y	DWR ID: DWR_NA0022_01_s_2012_11	
37	2.72	2.72	Earthen Levee	Erosion / Bank Caving	LS M Ma	E2 : Schedule repair of erosion site prior to the next inspection.	38.785613 ° -121.694266 °	38.785613 ° -121.694266 °	87 Y	DWR ID: DWR_NA0022_01_s_2012_87	
38	2.93	2.93	Earthen Levee	Animal Control	LS M Ma	A1 : Exterminate rodents and backfill and compact or grout burrows.	38.783410 ° -121.692035 °	38.783410 ° -121.692035 °	52	DWR ID: DWR_NA0022_01_f_2013_52	
39	3.07	3.07	Earthen Levee	Encroachments	LS C En	PR : Prunings	38.782240 ° -121.689997 °	38.782240 ° -121.689997 °	10	DWR ID: DWR_NA0022_01_f_2012_10	
40	3.12	3.19	Earthen Levee	Encroachments	LS A/W En	BU : Building	38.781828 ° -121.689415 °	38.780852 ° -121.688887 °	12 Y	DWR ID: DWR_NA0022_01_s_2012_12	
41	3.13	3.38	Earthen Levee	Encroachments	WS M Ma	PR : Prunings	38.781676 ° -121.689327 °	38.778376 ° -121.687447 °	30 Y	DWR ID: DWR_NA0022_01_f_2012_30	
42	3.13	3.13	Earthen Levee	Encroachments	CR M En	TR : Tree or limb	38.781670 ° -121.689335 °	38.781670 ° -121.689335 °	400 Y	DWR ID: DWR_NA0022_01_f_2013_400	

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+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2013

Yolo County Service Area 6

Waterway								Bank	Unit Miles	Inspection Start/End	Inspector		
LWR No	Levee Mile		Category	Item	* Location	** Rating	+ Issue Type	Action/Comment		GPS Latitude/Longitude	Issue No.		
	Start	End						Start	End	Photo			
43	3.18	3.28	Supplemental USACE Erosion Survey	WS	M	Ma	Inspector Comments: 2006 - Short section is into the levee toe, rest is near the levee toe. Mass failure and fluvial erosion of depositional material. Rock at the upstream and downstream ends. 2011 - Minor new erosion. 2012: No observed change. [2012 Site ID: SAC_86-9_R]	38.780407 °	38.779137 °	3	-121.688238 °	-121.687432 °	Y
44	3.25	3.25	Earthen Levee	Trim / Thin Trees	WS	M	T3 : Trim and thin trees to allow visibility of the ground and room to flood fight. Inspector Comments: Dead tree broken during winter storms needs to be cleaned up.	38.780041 °	38.780041 °	15	-121.688499 °	-121.688499 °	Y
45	3.31	3.31	Earthen Levee	Trim / Thin Trees	WS	M	T3 : Trim and thin trees to allow visibility of the ground and room to flood fight. Inspector Comments: Fallen tree from winter storms, needs to be cleaned up.	38.779352 °	38.779352 °	16	-121.688041 °	-121.688041 °	Y
46	3.47	3.47	Earthen Levee	Encroachments	WS	M	DE : Debris	38.777198 °	38.777198 °	401	-121.687040 °	-121.687040 °	Y
47	3.70	3.70	Earthen Levee	Encroachments	WS	M	TR : Tree or limb	38.773984 °	38.773984 °	89	-121.687722 °	-121.687722 °	Y
48	4.31	4.57	Earthen Levee	Vegetation	WSA/W	V8	: Environmental Requirements.	38.767125 °	38.764582 °	36	-121.693267 °	-121.690285 °	Y
49	4.66	4.86	Supplemental USACE Erosion Survey	WS	M	Ma	Inspector Comments: 2009 - Erosion into the levee toe. Some cobbles have been dumped into the erosion pockets. 2010 - Old cobble site starting to unravel. 2012: No observed change. [2012 Site ID: SAC_85-4_R]	38.763486 °	38.763313 °	4	-121.687567 °	-121.684038 °	Y
50	5.60	5.65	Earthen Levee	Encroachments	LS	M	BU : Building	38.759620 °	38.759412 °	1	-121.673903 °	-121.673167 °	Y
51	5.77	5.86	Supplemental USACE Erosion Survey	WS	M	Ma	Inspector Comments: 2006 - Approximately 18 to 20 ft of bank near levee at the corner of the levee and the Freemont Weir. Vertical bank with undercutting/mass failure. 2007 - Staked at top of bank for monitoring. 2011 - Site has become significantly worse with more of the toe and lower bank eroded. Many trees have fallen since last year. 2012: Site looks worse with more erosion around trees. [2012 Site ID: SAC_83-9_R]	38.758877 °	38.759390 °	5	-121.669365 °	-121.667500 °	Y

DWR ID:

* Location LS : Land Side WS : Water Side CR : Crown

** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain
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+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2013

Yolo County Service Area 6

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.97	10/22/2013 10/22/2013	John Williamson

Levee Mile Report Line	4
Start Levee Mile	0.00
End Levee Mile	0.20
Location	Water Side
Category	Earthen Levee
Item	Vegetation
The vegetation partially blocks visibility. Fall 2013	
johngw_f_20131028_250.JPG	



Levee Mile Report Line	5
Start Levee Mile	0.00
End Levee Mile	0.20
Location	Land Side
Category	Earthen Levee
Item	Vegetation
The vegetation complies with standards. Fall 2013	
johngw_f_20131028_251.JPG	



Levee Mile Report Line	6
Start Levee Mile	0.03
End Levee Mile	0.20
Location	Water Side
Category	Earthen Levee
Item	Vegetation
Tall vegetation, trees and brush block visibility. Fall 2013	
johngw_f_20131028_252.JPG	



* Location
LS : Land Side
WS : Water Side
CR : Crown

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Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.97	10/22/2013 10/22/2013	John Williamson

Levee Mile Report Line	6
Start Levee Mile	0.03
End Levee Mile	0.20
Location	Water Side
Category	Earthen Levee
Item	Vegetation
Trees and brush block visibility. Fall 2013	
johngw_f_20131028_253.JPG	



Levee Mile Report Line	7
Start Levee Mile	0.15
End Levee Mile	0.15
Location	Water Side
Category	Earthen Levee
Item	Encroachments
The old barn is on the waterside of the levee. Fall 2013	
johngw_f_20131028_254.JPG	



Levee Mile Report Line	9
Start Levee Mile	0.22
End Levee Mile	0.26
Location	Land Side
Category	Earthen Levee
Item	Encroachments
The RV park is encroached into the levee crown. Fall 2013	
johngw_f_20131028_255.JPG	



* Location
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WS : Water Side
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Levee Inspections

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Yolo County Service Area 6

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.97	10/22/2013 10/22/2013	John Williamson

Levee Mile Report Line	10
Start Levee Mile	0.31
End Levee Mile	0.33
Location	Land Side
Category	Earthen Levee
Item	Vegetation
Landscaping is encroach into the levee easement. Fall 2013	
<i>johngw_f_20131028_256.JPG</i>	



Levee Mile Report Line	11
Start Levee Mile	0.35
End Levee Mile	0.39
Location	Land Side
Category	Earthen Levee
Item	Encroachments
The apartments and fence along the toe of the levee. Fall 2013	
<i>johngw_f_20131021_041.jpg</i>	



Levee Mile Report Line	12
Start Levee Mile	0.35
End Levee Mile	0.50
Location	Water Side
Category	Earthen Levee
Item	Vegetation
Tall vegetation block visibility on the waterside. Fall 2013	
<i>johngw_f_20131028_257.JPG</i>	



* Location LS : Land Side WS : Water Side CR : Crown
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Ma : Maintenance Deficiency
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.97	10/22/2013 10/22/2013	John Williamson

Levee Mile Report Line	14
Start Levee Mile	0.50
End Levee Mile	0.55
Location	Water Side
Category	Earthen Levee
Item	Encroachments
Material blocking visibility on the waterside of the levee. Fall 2013	
johngw_f_20131028_258.JPG	



Levee Mile Report Line	15
Start Levee Mile	0.51
End Levee Mile	0.57
Location	Land Side
Category	Earthen Levee
Item	Encroachments
Houses on the landside of the levee. Fall 2013	
johngw_f_20131021_040.jpg	



Levee Mile Report Line	16
Start Levee Mile	0.55
End Levee Mile	0.57
Location	Water Side
Category	Earthen Levee
Item	Vegetation
The lawn area is on the levee waterside and crown. Fall 2013	
johngw_f_20131028_259.JPG	



* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
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Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2013

Yolo County Service Area 6

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.97	10/22/2013 10/22/2013	John Williamson

Levee Mile Report Line	17
Start Levee Mile	0.57
End Levee Mile	0.71
Location	Land Side
Category	Earthen Levee
Item	Vegetation
Oleanders along the shoulder.	
<i>johngw_f_20131021_037.jpg</i>	



Levee Mile Report Line	18
Start Levee Mile	0.57
End Levee Mile	0.65
Location	Water Side
Category	Earthen Levee
Item	Encroachments
The Yacht club is on the crown. Fall 2013	
<i>johngw_f_20131021_038.jpg</i>	



Levee Mile Report Line	19
Start Levee Mile	0.66
End Levee Mile	0.66
Location	Water Side
Category	Earthen Levee
Item	Encroachments
A large pruning pile placed on the waterside berm. Fall 2013	
<i>johngw_f_20131028_260.JPG</i>	



* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
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+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Yolo County Service Area 6

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.97	10/22/2013 10/22/2013	John Williamson

Levee Mile Report Line	20
Start Levee Mile	0.72
End Levee Mile	5.90
Location	Water Side
Category	Earthen Levee
Item	Vegetation
Tall grasses partially block visibility. Fall 2013	
<i>johngw_f_20131028_262.JPG</i>	



Levee Mile Report Line	21
Start Levee Mile	0.72
End Levee Mile	5.90
Location	Land Side
Category	Earthen Levee
Item	Vegetation
Tall grasses partially blocks visibility. Fall 2013	
<i>johngw_f_20131028_263.JPG</i>	



Levee Mile Report Line	22
Start Levee Mile	0.72
End Levee Mile	0.72
Location	Land Side
Category	Earthen Levee
Item	Vegetation
The berries block visibility of the levee slope. Fall 2013	
<i>johngw_f_20131028_261.JPG</i>	



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Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2013

Yolo County Service Area 6

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.97	10/22/2013 10/22/2013	John Williamson

Levee Mile Report Line	23
Start Levee Mile	0.97
End Levee Mile	1.14
Location	Land Side
Category	Earthen Levee
Item	Vegetation
The vegetation completely blocks the view of the levee slope. Fall 2011	
johngw_f_20131021_036.jpg	



Levee Mile Report Line	24
Start Levee Mile	1.03
End Levee Mile	1.03
Location	Land Side
Category	Earthen Levee
Item	Trim / Thin Trees
A tree has fallen on the levee slope and crown. Spring 2013	
johngw_f_20131021_056.JPG	



Levee Mile Report Line	25
Start Levee Mile	1.18
End Levee Mile	1.34
Location	Land Side
Category	Earthen Levee
Item	Vegetation
The vegetation blocks the view of the levee slope. Fall 2011	
johngw_f_20131021_035.jpg	



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Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2013

Yolo County Service Area 6

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.97	10/22/2013 10/22/2013	John Williamson

Levee Mile Report Line	26
Start Levee Mile	1.83
End Levee Mile	1.83
Location	Crown
Category	Earthen Levee
Item	Trim / Thin Trees
Trees need to be trimmed up to 12 feet above the crown. Fall 2013	
johngw_f_20131028_264.JPG	



Levee Mile Report Line	27
Start Levee Mile	1.98
End Levee Mile	1.98
Location	Water Side
Category	Earthen Levee
Item	Encroachments
Branches and small trees have fallen on the levee slope. Spring 2013	
johngw_f_20131021_057.JPG	



Levee Mile Report Line	27
Start Levee Mile	1.98
End Levee Mile	1.98
Location	Water Side
Category	Earthen Levee
Item	Encroachments
A tree has fallen on the waterside levee slope and shoulder. Fall 2013	
johngw_f_20131028_265.JPG	



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Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2013

Yolo County Service Area 6

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.97	10/22/2013 10/22/2013	John Williamson

Levee Mile Report Line	28
Start Levee Mile	2.03
End Levee Mile	2.03
Location	Land Side
Category	Earthen Levee
Item	Animal Control
Many rodent hole in this location on the slope. Fall 2012	
johngw_f_20131021_019.jpg	



Levee Mile Report Line	29
Start Levee Mile	2.07
End Levee Mile	2.07
Location	Crown
Category	Earthen Levee
Item	Animal Control
A rodent hole in the crown of the levee. Fall 2011	
johngw_f_20131021_060.jpg	



Levee Mile Report Line	30
Start Levee Mile	2.18
End Levee Mile	2.18
Location	Land Side
Category	Earthen Levee
Item	Animal Control
There are multiple rodent holes but no visible rodents. Need to backfill and compact.	
johngw_f_20131021_020.jpg	



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Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2013

Yolo County Service Area 6

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.97	10/22/2013 10/22/2013	John Williamson

Levee Mile Report Line	31
Start Levee Mile	2.22
End Levee Mile	2.22
Location	Land Side
Category	Earthen Levee
Item	Encroachments
Pipe along toe.	johngw_f_20131021_054.jpg



Levee Mile Report Line	32
Start Levee Mile	2.22
End Levee Mile	2.22
Location	Land Side
Category	Earthen Levee
Item	Animal Control
A rodent hole needs to be backfilled and compacted.	johngw_f_20131021_048.jpg



Levee Mile Report Line	33
Start Levee Mile	2.24
End Levee Mile	2.24
Location	Land Side
Category	Earthen Levee
Item	Encroachments
Firewood stacked up.	johngw_f_20131021_052.jpg



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Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2013

Yolo County Service Area 6

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.97	10/22/2013 10/22/2013	John Williamson

Levee Mile Report Line	33
Start Levee Mile	2.24
End Levee Mile	2.24
Location	Land Side
Category	Earthen Levee
Item	Encroachments
The firewood pile is continuing to grow along the toe of the levee. Fall 2012	
johngw_f_20131021_053.jpg	



Levee Mile Report Line	34
Start Levee Mile	2.25
End Levee Mile	2.25
Location	Land Side
Category	Earthen Levee
Item	Animal Control
Rodents	
johngw_f_20131021_055.jpg	



Levee Mile Report Line	35
Start Levee Mile	2.39
End Levee Mile	2.39
Location	Land Side
Category	Earthen Levee
Item	Encroachments
Concrete debris is at the toe of the levee. Spring 2013	
johngw_f_20131021_058.JPG	



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Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2013

Yolo County Service Area 6

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.97	10/22/2013 10/22/2013	John Williamson

Levee Mile Report Line	36
Start Levee Mile	2.62
End Levee Mile	2.62
Location	Land Side
Category	Earthen Levee
Item	Encroachments
Garage at toe.	
<i>johngw_f_20131021_025.jpg</i>	



Levee Mile Report Line	37
Start Levee Mile	2.72
End Levee Mile	2.72
Location	Land Side
Category	Earthen Levee
Item	Erosion / Bank Caving
Erosion caused by a build up of water then running off the slope. Fall 2011	
<i>johngw_f_20131021_061.jpg</i>	



Levee Mile Report Line	40
Start Levee Mile	3.12
End Levee Mile	3.19
Location	Land Side
Category	Earthen Levee
Item	Encroachments
The buildings are encroaching into the levee slope.	
<i>johngw_f_20131021_026.jpg</i>	



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Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2013

Yolo County Service Area 6

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.97	10/22/2013 10/22/2013	John Williamson

Levee Mile Report Line	40
Start Levee Mile	3.12
End Levee Mile	3.19
Location	Land Side
Category	Earthen Levee
Item	Encroachments
Buildings are located at the toe of the levee. Fall 2012	
johngw_f_20131021_027.jpg	



Levee Mile Report Line	41
Start Levee Mile	3.13
End Levee Mile	3.38
Location	Water Side
Category	Earthen Levee
Item	Encroachments
Piles of prunings are on the waterside slope. Fall 2012	
johngw_f_20131021_045.jpg	



Levee Mile Report Line	41
Start Levee Mile	3.13
End Levee Mile	3.38
Location	Water Side
Category	Earthen Levee
Item	Encroachments
Many piles are on the slope. Fall 2012.	
johngw_f_20131021_046.jpg	



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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

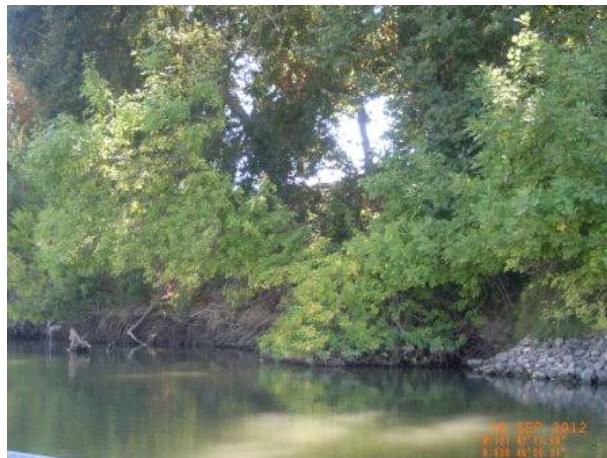
Yolo County Service Area 6

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.97	10/22/2013 10/22/2013	John Williamson

Levee Mile Report Line	42
Start Levee Mile	3.13
End Levee Mile	3.13
Location	Crown
Category	Earthen Levee
Item	Encroachments
A tree has fallen on the crown of the levee. Fall 2013	
johngw_f_20131028_266.JPG	



Levee Mile Report Line	43
Start Levee Mile	3.18
End Levee Mile	3.28
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey
USACE 2012 Photo #1	
USACE2013_SAC_86-9_R_1.jpg	



Levee Mile Report Line	43
Start Levee Mile	3.18
End Levee Mile	3.28
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey
USACE 2012 Photo #2	
USACE2013_SAC_86-9_R_2.jpg	



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Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2013

Yolo County Service Area 6

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.97	10/22/2013 10/22/2013	John Williamson

Levee Mile Report Line	43
Start Levee Mile	3.18
End Levee Mile	3.28
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey

USACE 2012 Photo #3



USACE2013_SAC_86-9_R_3.jpg

Levee Mile Report Line	44
Start Levee Mile	3.25
End Levee Mile	3.25
Location	Water Side
Category	Earthen Levee
Item	Trim / Thin Trees

Branches from dead trees, water side.



johngw_f_20131021_028.jpg

Levee Mile Report Line	45
Start Levee Mile	3.31
End Levee Mile	3.31
Location	Water Side
Category	Earthen Levee
Item	Trim / Thin Trees

A cottonwood tree has fallen over against the slope. Fall 2011



johngw_f_20131021_029.jpg

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Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2013

Yolo County Service Area 6

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.97	10/22/2013 10/22/2013	John Williamson

Levee Mile Report Line	45
Start Levee Mile	3.31
End Levee Mile	3.31
Location	Water Side
Category	Earthen Levee
Item	Trim / Thin Trees
This is the root ball of the tree. It has created a large void in the berm. Fall 2011	
	
johngw_f_20131021_030.jpg	

Levee Mile Report Line	46
Start Levee Mile	3.47
End Levee Mile	3.47
Location	Water Side
Category	Earthen Levee
Item	Encroachments
Pipe has been laid on the waterside berm. Fall 2013	
	
johngw_f_20131028_267.JPG	

Levee Mile Report Line	47
Start Levee Mile	3.70
End Levee Mile	3.70
Location	Water Side
Category	Earthen Levee
Item	Encroachments
Another tree has fallen on the waterside slope. Fall 2011	
	
johngw_f_20131021_062.jpg	

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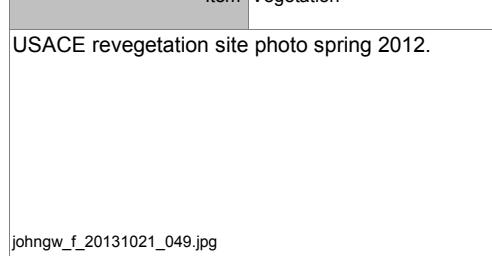
+ Issue Type
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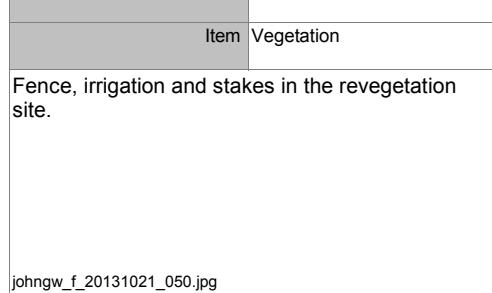
Flood Control Project Maintenance
Levee Inspections

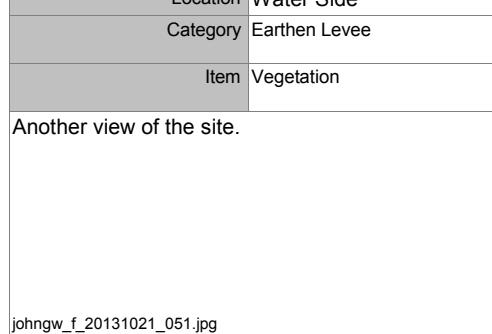
Levee Inspection Report By Mile - Fall 2013

Yolo County Service Area 6

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.97	10/22/2013 10/22/2013	John Williamson

Levee Mile Report Line	48
Start Levee Mile	4.31
End Levee Mile	4.57
Location	Water Side
Category	Earthen Levee
Item	Vegetation
USACE revegetation site photo spring 2012.	
	
johngw_f_20131021_049.jpg	

Levee Mile Report Line	48
Start Levee Mile	4.31
End Levee Mile	4.57
Location	Water Side
Category	Earthen Levee
Item	Vegetation
Fence, irrigation and stakes in the revegetation site.	
	
johngw_f_20131021_050.jpg	

Levee Mile Report Line	48
Start Levee Mile	4.31
End Levee Mile	4.57
Location	Water Side
Category	Earthen Levee
Item	Vegetation
Another view of the site.	
	
johngw_f_20131021_051.jpg	



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Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2013

Yolo County Service Area 6

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.97	10/22/2013 10/22/2013	John Williamson

Levee Mile Report Line	49
Start Levee Mile	4.66
End Levee Mile	4.86
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey

USACE 2012 Photo #1



USACE2013_SAC_85-4_R_1.jpg

Levee Mile Report Line	49
Start Levee Mile	4.66
End Levee Mile	4.86
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey

USACE 2012 Photo #2



USACE2013_SAC_85-4_R_2.jpg

Levee Mile Report Line	49
Start Levee Mile	4.66
End Levee Mile	4.86
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey

USACE 2012 Photo #3



USACE2013_SAC_85-4_R_3.jpg

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Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2013

Yolo County Service Area 6

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.97	10/22/2013 10/22/2013	John Williamson

Levee Mile Report Line	49
Start Levee Mile	4.66
End Levee Mile	4.86
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey

USACE 2012 Photo #4



USACE2013_SAC_85-4_R_4.jpg

Levee Mile Report Line	50
Start Levee Mile	5.60
End Levee Mile	5.65
Location	Land Side
Category	Earthen Levee
Item	Encroachments

The house and landscape are in the easement of the levee. Fall 2011



johngw_f_20131021_004.jpg

Levee Mile Report Line	51
Start Levee Mile	5.77
End Levee Mile	5.86
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey

USACE 2012 Photo #1



USACE2013_SAC_83-9_R_1.jpg

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Start Levee Mile	5.77
End Levee Mile	5.86
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey
USACE 2012 Photo #2	
USACE2013_SAC_83-9_R_2.jpg	



Levee Mile Report Line	51
Start Levee Mile	5.77
End Levee Mile	5.86
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey
USACE 2012 Photo #3	
USACE2013_SAC_83-9_R_3.jpg	



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